

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) An alarm system comprising a cable and circuitry, wherein the cable extends between an alarm panel and an event sensor, the cable comprises two conductors, the event sensor comprises only two terminals, and the circuitry is associated with said conductors for providing current to the event sensor through said two terminals and detecting changes in said current through said two terminals, to indicate tampering at the sensor, severing of the cable and/or and an event detected by the sensor.
2. (original) The alarm system of Claim 1 wherein said circuitry is located in a housing from which the two-conductor cable extends and providing a short six-conductor cable for connection to an existing alarm control panel.
3. (previously presented) The alarm system of Claim 2 wherein shorting of the cable provides a maximum current state, an event detection by the sensor provides a medium current state, normal operating conditions provide a low current state, a severed cable or tampering with the event sensor provides a very low or no current state in said conductors, and said circuitry reacts to the current state of the conductors to provide appropriate conditions to each conductor of said six-conductor cable for recognition by said alarm control panel.
4. (previously presented) The alarm system of Claim 1, wherein said event sensor is a passive infra-red detector.
5. (currently amended) An alarm system comprising a cable between an alarm panel and an event sensor, the cable comprising only two conductors, and circuitry associated with said conductors, for providing current to the event sensor and detecting changes in said current to indicate tampering at the sensor, severing of the cable and/or and an event detected by the sensor.

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6. (previously presented) The alarm system of Claim 5 wherein said circuitry is located in a housing from which the two-conductor cable extends and providing a short six-conductor cable for connection to an existing alarm control panel.

7. (previously presented) The alarm system of Claim 6 wherein shorting of the cable provides a maximum current state, an event detection by the sensor provides a medium current state, normal operating conditions provide a low current state, a severed cable or tampering with the event sensor provides a very low or no current state in said conductors, and said circuitry reacts to the current state of the conductors to provide appropriate conditions to each conductor of said six-conductor cable for recognition by said alarm control panel.

8. (previously presented) The alarm system of Claim 5, wherein said event sensor is a passive infra-red detector.